

10/579563

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Printed Name <u>Stacy J. Wyatt</u>	Signature <u>Stacy J. Wyatt</u>

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Applicant: Lu, JIANLIANG

Serial No.:

Application Date:

US Nat'l Entry

Date (if applicable):

For: VITAMIN D RECEPTOR MODULATORS

Docket No.: X16542

Group Art Unit:

Examiner:

Conf No.:

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) and provides a copy of each of the listed non patent documents for consideration by the Examiner.

Since this Statement is being filed in accordance with 37 C.F.R. 1.97(b), Applicants submit that no additional fee is required. Applicants request consideration of this information.

Respectfully submitted,

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12 May 2006

FORM PTO 1449 (modified)	Atty. Docket No. X-16542	Serial No. <b>80/579563</b>
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	First Applicant LU, JIANLIANG	
	Application Date	Group Art Unit
	US Nat'l Entry (if applicable)	

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pages or Relevant Figures Appear
/N.C./	AA	US 6,218,430 B1	04-17-2001	Allegretto, E. et al	
	AB	US			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA					

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.	T <sup>6</sup>
/N.C./	CA	BOEHM, M. F. et al: "Novel Noncosteroidal Vitamin D Mimics Exert VDR-Modulating Activities With Less Calcium Mobilization Than 1, 25-Dihydroxyvitamin D3" Chemistry and Biology, Current Biology, London, GB, vol. 6, no. 5, 6 April 1999, pages 265-275, XP000852987.	
	CB	NAGPAL, S. et al: "Vitamin D Analogs: Mechanism of action and Therapeutic Applications" Current Medicinal Chemistry, Bentham Science Publishers BV, BE, vol. 8, no. 13, November 2001 pages 1661-1679, XP009003249.	
	CC	BOUILLON R., et al. Endocrine Rev. 1995, 200-257, vol. 16,	
	CD	Masahiko Inouye, Toshiyuki Miyake, Masaru Furusyo, Hiroyuki Nakazumi: "Molecular recognition of beta-Ribofuranosides by synthetic polypyridine <sub>3</sub> macrocyclic receptors" J.Am. Chem. Soc. Vol. 117, 1995, pages 12416-12425, XP001206518.	
/N.C./	CE	Ping Huang, John Ramphal, James Wei, Congxin Liang, Bahija Jallal, Gerald McMahon and Cho Tang: " Structure-based design and discovery of novel inhibitors of protein tyrosine phosphatases" Bioorganic & Medicinal Chemistry, vol. 11, 2003, pages 1835-1849, XP001206517.	

Examiner Signature	/Nizal Chandrakumar/	Date Considered	05/19/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Entry Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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	First Applicant LU, JIANLIANG	
	Application Date  US Nat'l Entry (if applicable)	Group Art Unit

/N.G./	CF	SWANN et al. "Rational Design of Vitamin D3 Analogues Which Selectively Restore Activity to a Vitamin D Receptor Mutant Associated with Rickets" <u>Org. Lett.</u> 2002, p1863- 3866 vol. 4.	
/N.C./	CG	SWANN et al. "Structure-Based Design of Selective Agonists for a Rickets-Associated Mutant of the Vitamin D Receptor" <u>J. Am. Chem. Soc.</u> 2002 13795-13805, vol. 124.	
	CH		

Examiner Signature	/Nizal Chandrakumar/	Date Considered	05/19/2008
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